

**§ 87.279 Frequencies.**

(a) *United States (except Alaska).* The applicant must request specific frequencies in accordance with § 2.106 of this chapter. The Commission will determine the suitability of the applicant's selection based on the probability of interference to and from existing services assigned on the same or adjacent frequencies. All new assignments of frequencies will be subject to such conditions as may be required to minimize the possibility of harmful interference to existing services.

(b) *Alaska.* (1) Only stations which serve scheduled air carriers will be licensed. Applicants must show that the station will provide communications only along routes served by the scheduled operations of such carriers.

(2) The following frequencies are available in Alaska. These frequencies will only be licensed in conjunction with licenses for use of the aeronautical enroute frequencies specified in § 87.263(c).

	kHz
2648.0	5310.0
4645.0	5887.5
4947.5	8015.0
5122.5	

(c) *Gulf of Mexico.* In addition to the provisions of paragraph (a) of this section, the frequencies 4550.0 and 5036.0 kHz are available in the Gulf of Mexico.

**Subpart J—Flight Test Stations****§ 87.299 Scope of service.**

The use of flight test stations is restricted to the transmission of necessary information or instructions relating directly to tests of aircraft or components thereof.

**§ 87.301 Supplemental eligibility.**

(a) The following entities are eligible for flight test station licenses:

(1) Manufacturers of aircraft or major aircraft components;

(2) A parent corporation or its subsidiary if either corporation is a manufacturer of aircraft or major aircraft components; or

(3) Educational institutions and persons primarily engaged in the design, development, modification, and flight test evaluation of aircraft or major aircraft components.

(b) Each application must be accompanied by a statement containing facts sufficient to establish the applicant's eligibility under the criteria in paragraph (a) of this section.

**§ 87.303 Frequencies.**

(a) These frequencies are available for assignment to flight test land and aircraft stations:

3281.0 <sup>1</sup>	123.175 <sup>2</sup>	123.225 <sup>3</sup>	123.400 <sup>2</sup>
	123.200 <sup>3</sup>	123.375 <sup>3</sup>	123.450 <sup>3</sup>

(b) These additional frequencies are available for assignment only to flight test stations of aircraft manufacturers:

123.125 <sup>2</sup>	123.275 <sup>3</sup>	S123.425 <sup>3</sup>	123.550 <sup>3</sup>
123.150 <sup>2</sup>	123.325 <sup>3</sup>	S123.475 <sup>3</sup>	123.575 <sup>2</sup>
123.250 <sup>3</sup>	123.350 <sup>3</sup>	S123.525 <sup>3</sup>	

<sup>1</sup>When R3E, H3E or J3E emission is used, the assigned frequency will be 3282.4 kHz (3281.0 kHz carrier frequency).

<sup>2</sup>This frequency is available only to itinerant stations that have a requirement to be periodically transferred to various locations.

<sup>3</sup>Mobile station operations on these frequencies are limited to an area within 320 km (200 mi) of an associated flight test land station.

(c) These frequencies are available for equipment test, emergency and backup use with aircraft beyond the range of VHF propagation. Either H2B, J3E, J7B or J9W emission may be used.

Frequencies (carrier) available kHz:

	kHz
2851.0	8822.0
3004.0	10045.0
3443.0	11288.0
5451.0	11306.0
5469.0	13312.0
5571.0	17964.0
6550.0	21931.0

(d)(1) Frequencies in the bands 1435–1525 MHz and 2360–2390 MHz are assigned primarily for telemetry and telecommand operations associated with the flight testing of manned or unmanned aircraft and missiles, or their major components. The band 1525–1535 MHz is also available for these purposes on a secondary basis. In the band 2320–2345 MHz, the mobile and radiolocation services are allocated on

a primary basis until a Broadcast-Satellite (sound) service has been brought into use in such a manner as to affect or be affected by the mobile and radio-location services in those service areas. Permissible uses of these bands include telemetry and telecommand transmissions associated with the launching and reentry into the earth's atmosphere as well as any incidental orbiting prior to reentry of manned or unmanned objects undergoing flight tests. In the 1435–1530 MHz band, the following frequencies are shared with flight telemetry mobile stations: 1444.5, 1453.5, 1501.5, 1515.5, 1524.5 and 1525.5 MHz. In the 2320–2345 MHz and 2360–2390 MHz bands, the following frequencies may be assigned on a co-equal basis for telemetry and associated telecommand operations in fully operational or expendable and re-usable launch vehicles whether or not such operations involve flight testing: 2332.5, 2364.5, 2370.5 and 2382.5 MHz. In the 2360–2390 MHz band, all other telemetry and telecommand uses are secondary to the above stated launch vehicle uses.

(2) The authorized bandwidths for stations operating in the bands 1435.0–1525.0 MHz, 1525.0–1535.0 MHz and 2310.0–2390.0 MHz are normally 1, 3 or 5 MHz. Applications for greater bandwidths will be considered in accordance with the provisions of § 87.135. Each assignment will be centered on a frequency between 1435.5 MHz and 1534.5 MHz or between 2310.5 MHz and 2389.5 MHz, with 1 MHz channel spacing.

(e) 121.500 MHz: Emergency and distress only.

[53 FR 28940, Aug. 1, 1988, as amended at 55 FR 4175, Feb. 7, 1990; 58 FR 44954, Aug. 25, 1993; 58 FR 67696, Dec. 22, 1993; 60 FR 37829, July 24, 1995; 62 FR 11107, Mar. 11, 1997]

**§ 87.305 Frequency coordination.**

(a)(1) Each application for a new station license, renewal or modification of an existing license concerning flight test frequencies, except as provided in paragraph (b) of this section, must be accompanied by a statement from a frequency advisory committee. The committee must comment on the frequencies requested or the proposed changes in the authorized station and the probable interference to existing stations. The committee must consider

all stations operating on the frequencies requested or assigned within 320 km (200 mi) of the proposed area of operation and all prior coordinations and assignments on the proposed frequency(ies). The committee must also recommend frequencies resulting in the minimum interference. The Committee must coordinate in writing all requests for frequencies or proposed operating changes in the 1435–1535 MHz and 2310–2390 MHz bands with the responsible Government Area Frequency Coordinators listed in the NTIA "Manual of Regulations and Procedures for Federal Radio Frequency Management." In addition, committee recommendations may include comments on other technical factors and may contain recommended restrictions which it believes should appear on the license.

(2) The frequency advisory committee must be organized to represent all persons who are eligible for non-Government radio flight test stations. A statement of organization service area and composition of the committee must be submitted to the Commission for approval. The functions of any advisory committee are purely advisory to the applicant and the Commission, and its recommendations are not binding upon either the applicant or the Commission.

(b) These applications need not be accompanied by evidence of frequency coordination:

(1) Any application for modification not involving change in frequency(ies), power, emission, antenna height, antenna location or area of operation.

(2) Any application for 121.5 MHz.

[53 FR 28940, Aug. 1, 1988, as amended at 54 FR 11721, Mar. 22, 1989; 58 FR 44954, Aug. 25, 1993]

**§ 87.307 Cooperative use of facilities.**

(a) The Commission will license only one flight test land station per airport, except as provided in paragraph (d) of this section.

(b) Flight test land stations located at an airport are required to provide service without discrimination, on a cooperative maintenance basis, to anyone eligible for a flight test station license.